

ABSTRACT OF DISCLOSURE

The present invention provides a reflector having a light-diffusing property which suppresses inter-object reflection over a wide angle, and giving particularly high reflectance in an intended range of viewing angle; and to provide a reflection type liquid crystal display device using the same. The reflector includes a plurality of light-reflective concave portions. Each of the concave portions is formed so that an inclination angle (an angle between a plane tangential to a point on a concave surface and the surface of the base material) is maximum on a side portion of the curved surface, and so that the direction of the side portion having the maximum inclination angle is on a far side from a view point of an observer. Moreover, the reflector includes many concave portions formed on a reflector surface, an inner surface of each of the concave portions including a peripheral curved surface and a bottom curved surface that are continuously connected to each other, the peripheral curved surface being a part of a first sphere having a first radius, the bottom curved surface being a part of a second sphere having a second radius different from the first radius, and the bottom curved surface being located within the peripheral curved surface, wherein the first radius is smaller than the second radius, and a normal line extending from a center of the first sphere to the reflector surface and a normal line extending from

a center of the second sphere to the reflector surface are not collinear. Further, the reflection type liquid crystal display device is provided with the reflector.